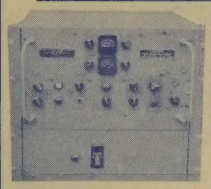
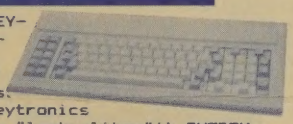
CV-157 SSB CONVERTER



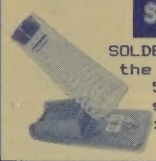
CV-157/URR SINGLE SIDEBAND CONVERTER, dual channel converter designed for use with R-390 and R-390A receivers but is usable with any receiver having 455 KHz final IF. Unit will deliver single channel output to operate teletypewiter or facsimile. When twin single sideband emission is used, CV-157 will provide two separate channels of output. one channel can handle RTTY and the other FAX and voice. Input frequency adjustable 450-510 KHz; converter IF center and carrier filter bypass 100 KHz. Separate VU and Carrier meters, SB Select "A-LSB-B/B-USB-A", AGC Select "REC-CAR-LSB-USB-TSB", squelch and drift alarms, and 44 tubes. Requires 105-125/210-250 VAC 50-60 Hz; 15.8x19 x15, 125 lbs sh. Used-reparable, $195.00
MANUAL for CV-157, partial repro, $15.00

KEYTRONICS 5150



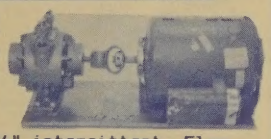
KEYTRONICS 5150 KEYBOARD, the "standard" replacement keyboard for IBM® PC's and PC clones. (This is "true" Keytronics and not one of its "look-alikes"!) QWERTY format, numeric pad/cursor, and ten function keys; low profile, almond color plastic with metal bottom and coil cord & connector. 7.5x 17.5x2, 7 lbs sh. #KEY-5150, NEW, $85.00

SOLDERING STAND



SOLDERING STAND, handy item for the builder-hobbyist; has 2.6"x 5.3" cast iron base with sponge tray and 5" coil with insulating funnel. 3 lbs sh; #SS-IS-101, NEW, $2.95

GAST PUMP & MOTOR



VACUUM PUMP & MOTOR, Gast #0440-V119 oilless rotary vane pump and GE 115 VAC 60 Hz 1/3 HP 1625 RPM motor. Pump rated 4.0 CFM @ zero vacuum; 15" Hg continuous, 26" intermittent. Flex coupling thermally protects 7.4"x5.4" dia motor; mounted on 5.8x0.6x14.4 steel base. Inlet and outlet filters not available. 40 lbs sh. Used-as removed from service, $45.00

48 TPI DS-DD DRIVE

MAGNETIC PERIPHERALS 9428 DISC DRIVE, 1/2 height 48 TPI double-sided double-density; usable with the IBM® PC and its many clones. Black front plate; 4 lbs
#CDC-MPI-9428, NEW, $95.00
#CDC-MPI-9408, full HT 48 TPI DS-DD $99.00
#CDC-MPI-9409, 1/2 HT 96 TPI DS-DD. $99.50

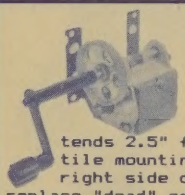
CONTEMPRA PHONE

Modern CONTEMPRA PHONE, quality Northern Telecom manufactured with key pad, ringer, coil cord, and module jack. Low profile; looks sharp on desk or wall. Specify 1st-2nd-3rd color choice: Gold, yellow, brown, beige, almond, white, green, blue, red, and orange. Nice phones at a nice price "as removed from service." 6 lbs sh. #NE-CON-PH, complete-not checked, $14. 2/$25.

COLECO JOYSTICK

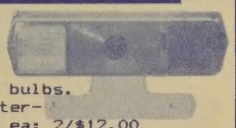
COLECO JOYSTICK/CONTROLLER, features joystick with two independent fire buttons and 0-9, *, # keypad. One foot coil cord extends to 3 feet, DB-9 connector as on popular joysticks. Output lines are diode matrixed, but may be rewired for popular computer/game machines. 2 lbs sh; Un-#JS-CO-CO, $3.50 ea. 2/$6.00

HANDCRANK



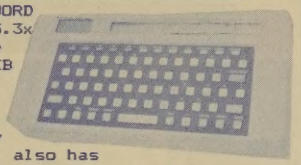
HANDCRANK MAGNETO GENERATOR removed from telephone equipment; features long crank with shaft which extends 2.5" from the generator and versatile mounting plate that allows left or right side or bottom mounting. Use to replace "dead" generator in your antique phone, or as remote signaler (ring bells/buzzers), or as "worm shocker"; 4 lbs sh. #MAG-GEN-1085, used-checked, $15.00

TAIL LIGHT ASSEMBLY



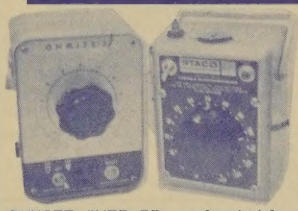
TAIL LIGHT ASSEMBLY with red tail/brake light and back-up light; also license plate bracket and one each GE1156 and 1157 bulbs. 13x6.5x3.5; 3 lbs sh. Peterson #M418LBL, NEW, $6.95 ea; 2/$12.00

LAP-TOP PROCESSOR



LEXICON LAP-TOP WORD PROCESSOR, true 5.3x 10.5x1.8 lap-size unit features 14KB usable word processor memory, 300 baud modem, and nicad battery power or 115 VAC. also has calculator and digital clock functions, single-line LCD display, "chicklet"-style QWERTY keyboard, and peripheral output DB-25 connection. User can create, store, and search upto 20 separate files; battery power can maintain files for over two weeks if necessary. The onboard modem allows data to be transferred over the phone to a remote computer and also permits to access subscription information services such as Western Union's EasyLink and the Dow Jones Financial news. The lap-top word processor is not a computer in that it cannot be used to develop and run programs. However, for most of us who are "on the go" and who's primary computer usage is word processing, the Lexicon is a convenient and simple tool. With modem cable, batteries, battery charger, and operation book; 30 day warranty for purchase price refund. 4 lbs; #LEX-LT-WP, NEW $109.50

VARIABLE TRANSFORMERS



VARIABLE AUTO-TRANSFORMERS, both require 120 VAC 50-60 Hz input and have metal cases with carrying handles, reset buttons, AC outlets, and 3-cond AC cords; used-checked.
OHMITE #VT8-GC, selectable 0-120 or 0-140 VAC 6 amps out; 7.4x5x5, 16 lbs sh, $34.95
STACO #3PTNT51B, 0-140 VAC 5 amp; 6.8x4.8 x4.5, 12 lbs sh, $28.95

PLANTRONICS HEADSET

PLANTRONICS NOISE-CANCELLING HEADSET, StarSet ultralight operator's type; earpiece consists of wand mic and adjustable earphone. Push-to-talk switch has mode lock, belt clamps, internal 3 V amplifier. Also includes coil cord with PJ-7 dual plug, set of six different sized earplugs, and carrying pouch. FCC registered; 3 lbs sh. #NCO-211-2C, NEW, $34.95

Fair Radio Sales Co.
1016 E. EUREKA ST. P. O. BOX 1105
Lima, Ohio 45802

PHONE: 419/227-6573
419/223-2196

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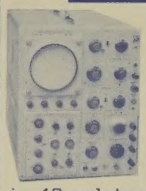
FALL-WINTER 1985 CATALOG SUPPLEMENT

PRICES ARE F.O.B. LIMA
ITEMS OVER 70 LBS. SHIPPED MOTOR FREIGHT COLLECT
INCLUDE PAYMENT IN FULL.
USE YOUR MASTERCARD OR VISA.
STORE HOURS: Monday thru Friday 9 to 5:30
Saturday 9 to 1:00

80 MHZ DUAL-TRACE

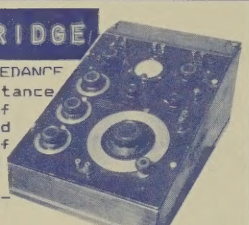


TEKTRONIX 585A OSCILLOSCOPE w/ Type 82 DUAl-TRACE plug-in; DC to 85 MHz mainframe (80 MHz w/82), sweep delay, two time bases, and 4x10 cm display. Sweep: 0.1 usec to 5 sec/cm in 24 calibrated steps, variable 12 sec/cm (time base A); 2 usec to 1 sec/cm in 18 calibrated steps (B). Delay 2 usec to 1 s in 18 calubrated steps. Amplitude calibrator 0.2 mv to 100 V p-p in 18-steps. 5X magnifier; Requires 115/230 VAC. 17x13.3x24, 75 lbs. Used-reparable, ~~$365~~ $315. Checked w/reparable 82, ~~$435~~ $395. MANUAL partial repro, $15.

* *

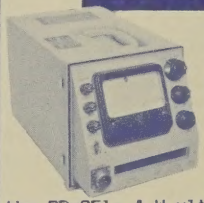
TEKTRONIX 545A SCOPE w/CA DUAL-TRACE, similar to 585A except 30 MHz mainframe (24 MHz w/CA); usable with all "letter"-series TEK plug-ins. Used-reparable $250. Checked $325.

IMPEDANCE BRIDGE



GENERAL RADIO 650A IMPEDANCE BRIDGE, measures inductance and storage factor Q of coils, capacitiance and dissipation factor D of capactiors, and AC and DC resistance. Resistance: 1 m-ohm to 1 Megohm. Capacitance: 1 pf to 100 mf. Inductance: 1 uH-100 H. Dissipation: 0.002 to 1. Storage Q: 0.02-1000. Unit is four arm impedance bridge, includes standards, and has 1000 Hz mic hummer; measurements read directly on dials. Requires 4-#6 dry cells (6 VDC 1.5 A); 12x20x8.5, 34 lbs sh. Used-reparable, $99.50

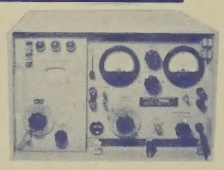
RADIATION INDICATOR



CP-95/PD RADIAC COMPUTER-INDICATOR, designed to show the amoint of X- and gamma radiation to which a DT-60/PD (listed below) or similar silver-activated phosphor glass radiation detector tube has been exposed. An exposed detector glows orange in the CP-95's 4 W ultraviolet light. Luminescence is measured by a 931VA photomultiplier tube whose output is translated into Roentgens and indicated on 0-200-600 Roentgens meter (4.5x4.3, FS=100 ua). With front cover and tubes 5726, 5814, 931VA, CK1039/6143, and OA2. Requires 115 VAC 60 Hz; 9x9.3x17, 30 lbs sh. Used, $19.95; MANUAL, repro, $10.

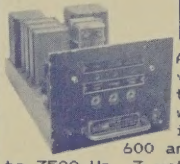
DT-60 DETECTOR, unused AS-IS, $1.50 each

50 TO 400 MHZ FM



SG-3/URM-70 FM SIGNAL GENERATOR, 50-400 MHz in three bands. Internal modulation @ 100, 1600, or 20000 Hz. External: 250 to 75 KHz. FM deviation: 0-15-75-150 KHz (50-100 MHz), 0-30-150-300 KHz (100-200 MHz), and 0-60-300-600 KHz (200-400 MHz). Output: 0.1 to 100K u-volts ±25%. 50 ohms output. Requires 115 VAC 60 Hz. 15x11.5x17.3; 90 lbs. Unused, $300. Used-reparable, $150. MANUAL for URM-70, partial repro, $10.00

AUDIO AMPLIFIER

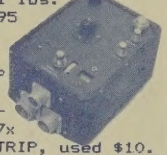


AM-447/G AUDIO AMPLIFIER, volume-limiting type designed to insure uniform audio level when signal input level varies. 600 ohm input; output 600 and 200 ohms, 34.8 DB max 300 to 3500 Hz, 3 watts. Adjustable pots Gain, Volume Speaker, and Volume Headphone; panel jacks Input DBM, Phone, and Output DBM. Also transformers Input AF 600Ω:20KΩ; Output AF 5000Ω:5000/600Ω CT; power 560 VCT 70 ma, 6.3 VCT 1.5 A, 5 V 2 A; choke 20 Hy 70 ma; and tubes 5Y3, 6H6, 6V6, 6SJ7, 6SN7. 115 VAC 60 Hz; 7x12x14, 24 lbs sh. Used, $16.95

LENS SHUTTER

FAIRCHILD NIGHT PHOTO SHUTTER as used in 12" (300 mm) focal length aircraft surveilance cameras; 90 mm dia shutter is controlled by keyed shaft designed to be actuated by motor, but variable manually. 132 mm dia lens ring; O/a assembly 9.3" dia; 9 lbs sh. #SH-12EFL, $14.95

P-8 EXPOSURE FREQUENCY CONTROL, synched camera exposures with radar scans. Switch sets exposures EVERY SCAN/EVERY OTHER/1 EVERY 4/1 EVERY 12; also L-H PPI and L-H SECTOR SCAN adjusts. Male 19- and female 14-pin short cables; 28 VDC required. 8.5x5.8x8, 11 lbs. #P-8-EXP, used, $14.95



E-1 TRIPPING PHOTO CONTROL for automatic and/or manual exposure selection. START-STOP push switches, 3-digit exposure counter, and SINGLE EXPOSURE button; 28 VDC required. 7x 5x3.5. 7 lbs. #E1-TRIP, used $10.

SB-327 BOX

SB-327/ARC CHANNEL SELECTOR for RT-294/ARC-44 24-51.9 MHz FM transceiver; hard-to-find accessory has 3-digit mechanical counter in 100 KHz steps and volume control. 28 VDC for lamps; 3x5.8x4.5, 3 lbs sh. Used, $15.00

H-133 HEADSET

H-133/AIC HEADSET with noise-shielded microphone; sound-powered set designed for use in aircraft intercommunications and other high DB environments. Has 24" cord w/U-93A plug; David Clark mfg. 4 lbs. Used-checked, $40; Used, without mic, $27.50

* *

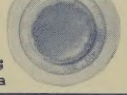
H-161 1000 ohm HEADSET with 300 ohm BOOM MIC fpr VRC-12 equipment. Has CX-8562 cable and switch; 4 lbs sh. Used-checked, $19.95

H-161 HEADSET with CX-8650 "Y" CORD, $32.50

WW-2 INTERPHONE KIT

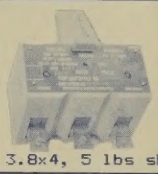
RC-298 ARMORED TANK INTERPHONE EXTENSION KIT, used with BC-605 interphone in conjunction with BC-603/604 & BC-683/684 radio sets in WW-II tanks. Includes BC-1362 steel explosion-proof phone box with H-22 handset, BC-1361 remote call box, 30' 7-cond cable, rubber tape, 125 pcs hardware kit, manual, and other items. 85 lbs sh; 2 pkgs UPS or in original wood crate motor freight collect. Unused, $25.00

RB DUODIALS



MODEL RB DUODIALS for 10-turn Helipots; 0-99 increment vernier clicks full turns. O/a 1.75" dia; fits 1/4" shaft. #RB-DD, $4.00 ea

MAGNETIC TRIP



WESTINGHOUSE THERMAL MAGNETIC TRIP UNIT, 3 poles 250 VDC 75 amp normal; 450-525 trip amps @ 50 C ambient 150%-225% of rating. Type AQB-A100; 4.5x 3.8x4, 5 lbs sh. #248-1371, unused, $14.95

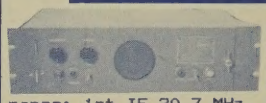
CODE SIGNALING LAMP

CANADIAN MORSE CODE SIGNAL LIGHT, mirrored reflector tilts by trigger in handgrip; site-tube on top. Usable also as spot light. Includes 4" clear lens, 10' cable, and carrying case. Light bulb not available (change socket for common bulb). 9x 6.3x8, 15 lbs. #CAN-5A, used $10. Extra 4" LENS, red, blue, green or clear, $1.50; 4/$5.

R-518 VHF RECEIVER

R-518/FRR-27 VHF RECEIVER, single-channel crystal-controlled reception of AM or tone signals in the 100 to 156 MHz range. Double conversion with IF's of 23 MHz and 3 MHz. Audio output: 1.5 watts into 200-600 ohms; 50 ohms balanced antenna input. W/squelch and tubes 3/12AT7, 2/6AU6, 5654, 2/6AV6, and 6005. Requires 115 VAC 60 Hz; 6x19.5x18.8, 45 lbs. Used, $40. Manual partial repro, $10.

132 TO 150 MHZ AM



R-748/TRC VHF RECEIVER, single channel crystal-controlled in the 132-150 MHz AM range; 1st IF 20.7 MHz, 2nd IF 5 MHz. Has built-in speaker and controls Volume, Sensitivity, and Squelch. Selectivity +/-20 KHz 6 db down; 52 ohm input impedance. Front panel hinged for access to RF chassis; tubes 2/0B2, 4/6AK5, 6AQ5, 6AX5, 2/6BA6, 2/6J6, 12AT7, 12AX7. 115/230 VAC 50-400 Hz; 5.3x19 x13.3. 34 lbs sh. Used $29.95; Schematic $2.

VHF XMITTER

T-363A/ARC TRANSMITTER, 132 to 148 MHz using five crystal controlled channels; 5 watts output. Has 5/5763 tubes; requires +280 & 28 VDC. 4.5x4.5x6, 7 lbs. Used, $16.

RESCUE TX-RX TEST SET

T-906 TEST SET for URC-4, URC-10, RT-10/RT-278A, and RT-285,A/RT-350 rescue transceivers; checks filament and plate voltages and currents using test jigs for each radio. Meter indicates whether unit under test is passable. T-906 also usable as 115 VAC 60 Hz supply for the transceivers. Has two transformers with secondaries 630 VCT 70 ma, 6.3 V 4 A, and 5 V 2 A, an AF transformer 7600/4800 to 16/8/4 ohms 2 W, and 11.5x19x11.5 transit case. Requires 105-120 VAC 60 Hz; 55 lbs sh. Used-complete w/all four test jigs, $54.50

T-906 only less test jigs, $22.00

TEST JIGS w/T-906 purchase, $10 ea; Specify.

SOLID-STATE 162.5-173.5 MHz FM RECEIVERS:
R-962/ARR-52, 16-channels; 18 VDC, 9#. WRITE
R-1170/ARR-52A, 31-channels; 18 VDC, WRITE

PANEL METERS

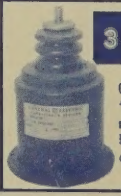
U.S. made panel meters with good "hard-to-find" scales: NEW

0-3 amps DC; 3.5" rd Gruen mfg., $7.95
0-50 amps AC (full scale); 3.5" rd., $14.00
0-120 amps AC, FS=3 A AC; 3.5" rd, $7.95
0-3 RF amps, 2.5" dia black face, $8.95
0-9 RF amps with expanded 2 to 6 RF amp scale portion;; 2.5" rd black face, $9.95

RESISTORS, bleeder and power:

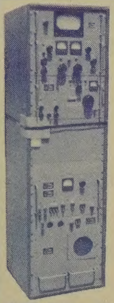
10 WATT 5 OHM,	1.75"Lx0.4 dia,	$.25 ea
25 WATT 0.33 OHM,	2.5"Lx0.9 dia,	$.50 ea
25 W 4 SLIDER + 4	fixed 4"Lx0.6"D,	$.75
100 W 1	tapped 0.2-0.4-0.7 6x"1.3",	$1.75
100 W 175	non-inductive feed-thru,	$2.50
100 WATT 5000 OHM,	6.5"Lx1.3" dia,	$1.25 ea
110 WATT 10 OHM,	8"Lx1.3" dia,	$1.50 ea
200 W 10 SLIDER,	10.3"Lx1.3" dia,	$2.00 ea
200 WATT 5000 OHM	10.5"Lx1.3" dia,	$1.75 ea
225 WATT 1.8 OHM,	10.5"Lx1.6" dia,	$2.50 ea

30 PF 15 KV DIVIDER



CAPACITANCE DIVIDER, 15 KV insulation and 30 pf total capacitance; ratio 60:1. 32" RG-11 cable with PL-259 connector. 7.5"Hx 5" dia; 6 lbs. GE#C373179, unused, $12.95

TMC SBT-1K-Q



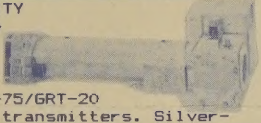
TECHNICAL MATERIELS CORP SBT-1K-Q (AN/FRT-56) 2-32 MHz 1000 watt CW transmitter; includes RFD-1A (AM-2785A) RF amplifier with PL-172/8295 PA-tube, VOX-5 (O-330) oscillator, PS-4 (PP-2765) LV and PS-5 (PP-2766) HV power supplies, IM-166 SWR meter, and APP-4 patch panel in 80" rack. System has AM, SSB, ISB, DSB capabilities if used with SBE-3 sideband exciter (not available). 700 lbs sh wt; Used-complete, not tested, $750.

TMC PAL-1K, RFD-1A, PS-4 and PS-5 only (no rack); 400 lbs sh. Used, $495.00

MANUAL for AN/FRT-53, operation-maintainance on PAL-1K, part-repro $15.00

MANUAL for O-330A, partial repro, $8.50

4CX250B CAVITY



VHF/UHF TUNABLE CAVITY with 4CX250B PA tube and 6818 driver; originally used in of FAA TV-36/TU-9 and/or military FSQ-75/GRT-20 Collins mfg 50 watt transmitters. Silver-plated cavity has 4-place PA TUNE FREQ INCR counter, MIN-MAX Output Coupling, and 0-15 FREQ INCR control. Requires 6 V (fil), +300 V, +850 V, +2000 V, and external PA and driver bias V. 5.3x16.8x8, 10 lbs sh. #A5-TUN-CAV, used w/schematic, $95.00

VACUUM CAPACITORS

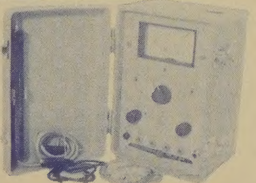
JENNINGS CVFB-1500-40 CERAMIC VACUUM VARIABLE, 100-1500 pf 40 KV max/ 24 KV min; similar to CVFP-type. Shaft and cone not Jennings mfg. 28 lbs. Unused $595. #UCS-375-10, 10-375 pf 10 KV max; 7 lbs sh. Used, $100.00 #UH-75, 10-75 pf 40 KV, $115.

BUDWIG HYE-QUE antenna insulators and strain connector for long-wire installations; full legal power capacity and weather tight molded polymer construction. NEW:
#HQ-CONN strain assembly with PL-259 connection for lead-in wire drop, $5.50
#HQ-INS-PR, insulator pair, $1.25/pr

XFORMERS

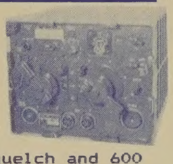
Quality unused transformers for your power supply needs:
SIGNAL #DL-12.8-12, dual 115 VAC 60 Hz primary; secondary 2/6.4 VCT 12 amp. Can be wired for 6.4 VCT 24 amp or 12.8 VCT 12 amp; 4.3x3.3x3.5, 7 lbs sh. NEW, $12.95
SIGNAL #DL-36-6, dual 115 VAC 60 Hz pri; sec 2/18 VCT 6 amp. Wire for 18 VCT 12 A or 36 VCT 6 A; 4.5x3.8x3.8, 10 lbs. NEW $16.95
MWC #1411-10, dual 115 VAC 60 Hz pri; sec 24 VCT 10 A. 3.8x3.3x4.3, 9 lbs. NEW $14.95

TRANSIENT VOLTAGE

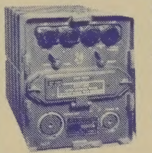


GREIBACH V200 TRANSIENT VOLTAGE INDICATOR, portable unit will monitor AC or DC line and indicate if a previously set voltage level has been exceeded. Ranges 0-100-300-1000-3000 volts and controls Meter Set, Reset, Transient Level Set, Polarity Pos/Neg, Charge On/Off. Requires five "D" cell batteries plus 115 VAC 60 Hz for battery recharge circuit. Batteries not available. With test leads, HV probe, and front cover. 6x9x6, 9 lbs. Unused $45.00

RT-68/GRC TRANSCEIVER



RT-68/GRC TRANSCEIVER, 38-54.9 MHz FM continuously tunable or 100 KHz-step channels. Receives and transmits both voice and 1600 Hz ringing FM; range 10-15 miles. Receiver circuit has variable 1st IF 4.45-5.45 MHz and fixed 1.4 MHz 2nd IF; also squelch and 600 ohm audio output. Transmitter uses crystal-controlled oscillator and oscillator power amp; power output 2 watts (LO) or 15 W (HI). Also meter to monitor xmitter filaments and 90 V input. Requires external power supply available separately. With tubes 4/1U4, 2E24, 2/1A3, 2/1L4, 4/1R5, 2/1AE4, 1S5, 4/3Q4, 3A4, 3/3A5, 2/3B4, 6AK5. 9x13x11.3, 42 lbs sh wt. Gov't-reconditioned, $85.00; used, $55.00
RT-66, as above but 20-27.9 MHz; unused $40.



PP-112/GRC 24 VDC SUPPLY for RT-66-67-68 transceivers; provides all voltages from 24 VDC 6.5 amp input. 7.3x9x13, 39 lbs sh. Unused $35. Used, $25.

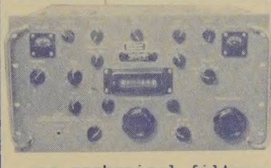
PP-109/GRC SUPPLY, as above but 12 VDC 13 A input; used, $34.50

CX-1211 interconnect cable RT:PP units, $6.
MANUAL for RT-66-67-68, original, $5.00
MANUAL for PP-109-112, original, $5.00
M-29 MIC, used, $5. LS-166 SPEAKER, used, $12.
MT-299 MOUNT RACK, holds one RT-66-7-8 and PP-109-112; 30 lbs sh. Unused, $25.00
MT-327 MOUNT RACK, holds a RT-66-7-8, one R108-9-10, a PP109-112; 32 lbs. Unused $25.
CW-330 COVER for one each RT & PP, unused, $8.

PRC-25 AC SUPPLY

C-7673/PCC-1 RECTIFIER CONTROL UNIT, intended for use with two RT-505/ PRC-25 transceivers and TH-81 terminal as controller for telegraph-telephone repeater system. Also functions as 115 VAC 60 Hz or 24 VDC supply for two RT-505's. Control one or both RT-unit, power DRY BAT-BB451-OFF-VEH-115 VAC, handset connection, cables, two 3 A fuses for AC and two 5 A for DC. 2.1x9.7x6.6, 10 lbs. UNUSED, $100.00 Used, $75.00; Used "AS-IS not working", $40.

R-390A/URR HF RECEIVER

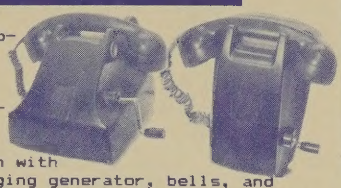


R-390A/URR RECEIVER famous military set covers 0.5 to 32 MHz AM-CW-MCW in 31 one MHz bands read directly on mechanical digital counter. 455 KHz final IF; has four Collins mechanical filters allowing 2-4-8-16 KHz selectable bandwidth. Calibration points every 100 KHz; also BFO, AGC, dial locks, 600 ohm audio out, Line and Carrier Level meters. Rackmount; no covers. Requires 115/ 230 VAC 60 Hz. 10.5x19x16.8, 95 lbs (UPS in 2 pkgs). Used-reparable, $215.00 Checked, $335.00; MANUAL partial repro, $15.
+ +
R-390A "AS-IS", sold "as received from gov't, less meters, 3TF7, and covers; visually inspected only for completeness," $145.00 (Buy one for parts for your "good" R-390A!)

FSK CONVERTER

CV-116/URR FSK CONVERTER for use with receivers having final IF's from 450 to 510 KHz such as R-220, R-388, R-390A, and SP-600. Converts frequency-shift signals into DC pulse that key the energizing of circuits of teleprinters; translates at 100 dot Hz/sec. Unit can be used with two receivers. Channel A IF center frequency 50 KHz; Channel B 29.3 KHz. Input FS range 150-1000 Hz, 100 uv minimum; 50 ohm impedance. Separate control unit required between CV-116 and teleprinter to match output-input signals. Requires 115 VAC 60 Hz. 8.8x17x18, 80 lbs sh. Used-reparable, $100. MANUAL, partial, $10.

MAGNETO PHONES



MAGNETO TELEPHONES for two-wire communications from a fixed location to another. Desk and wall types available; each with handcrank ringing generator, bells, and standard handset w/common U-1 and T-1 elements. 3 V required for voice circuit; Northern Electric mfg. Black; used-checked.
#D-NE-MPH, desk-type; 6x6.5x8, 9 lbs. $44.50
#W-NE-MPH, wall-type; 5.8x9x4.5, 9 lbs. $45.

1940'S DESK PHONES

OSLO TELEPHONE, sleek European 1940's phone suggests Art-Deco period; can be used as desk phone or invert for wall mount. Rotary dial, ringer, and cord with terminal lug connections. Not FCC registered; 6 lbs sh. Used.
#OSLO-BK, black, $14.95; OSLO-GR, grey, $22.

TP-6 TELEPHONE, 1940's style black phone with metal base, hard plastic handset, rotary dial, and ringer; terminal lug connections. Not FCC registered; 8 lbs sh. Used, $18.95

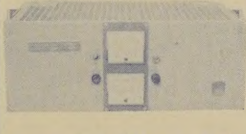
PAGING MIC

MUZAK MBL MULTI PAGE MICROPHONE, dynamic 150 ohm mic is designed for paging and features switching for three page zones plus one "all-call" switch. Usable with amplifiers having input impedance of 50 to 250 ohms; 60-10000 Hz frequency response. With four SPDT rocker switches and 10 foot 8-conductor cord; 3 lbs sh. #MBL-MIC, NEW, $24.95

6-STATION INTERCOM

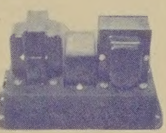
MAGNAPHONE INTERCOM by Northern Electric; six selectable station intercom and audio amp with large push-to-talk lever, 4" speaker, ON-OFF volume control, and cable with terminal box. Input/output 50 or 600 ohms. Rugged grey plastic case; tubes 6CM6, OA2, 12AX7. Requires 115 VAC 25 to 60 Hz; 6.3x13x6.8, 22 lbs sh. #NE-SM6B, used, $22.95

50 VDC 3 A



LORAIN P3A50 POWER SUPPLY, 50 VDC 3 amp output from 115 VAC 60 Hz input; screwdriver adjust V-Output and meters 0-80 V and 0-5 ADC. 7x19x11, 48 lbs. Used, $29.95

20 HZ RINGER

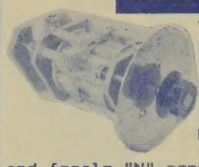


SUB-CYCLE RINGER, static frequency converter for ringing telephone circuits; output 75-100 volts 20 Hz 7.5 watts from 115 VAC 60 Hz input. 11x5x7 mounted on 19"W rack panel; 28 lbs sh. #SC-M-7.5, unused, $34.95

100 RPM 1/5 HP MOTOR

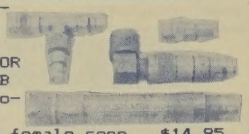
BODINE ECCI-35E2, 115 VAC 2.2 amp, 1/5 HP 1700 RPM motor with 100 RPM reduction gearhead; 100 lbs-in torque. 2"L x 5/8" dia shaft with 3/16" square key; motor 4.5x4.5 x8.8. With capacitor; 12 lbs sh. Used $18.95

TURRET ATTENUATOR



VARIABLE COAXIAL TURRET ATTENUATOR, 0 to 60 DB in six DB steps. Utilizes individual silver plated attenuation elements for each range engaged with a pull-rotate-push movement of the knob; 5.5" dia dial and female "N" connections. 7"Lx5" dia.; 6 lbs sh.Lorch #VA 112-6, used, $49.50

MICROWAVE DEVICES



Special microwave coaxial components removed from equipment:
SPERRY #D4402-2 ISOLATOR 4.4-5.0 GHz with 1.0 DB max insertion loss; isolation 15 DB min, VSWR 1.15 max. "N" male and female conn., $14.95
MICROLAB #HR-50N DC IN-BLOCK, 2-8.5 GHz, $8.
MICROLAB #HZ-10T SIGNAL SAMPLER, 50 MHz-12 GHz; reactive-type T-adapter TNC (m) to TNC (f) to BNC (f), used, $8.95
MICROLAB #TA-5MT TNC (m) 50 ohm term., $6.00

RF CABLES & CONNECTORS

BNC-BNC CABLE, 8"L w/2 r-a UG-913 BNC, $2.50
CG-409G CABLE, 74" RG-58 w/2 UG-88 BNC, $4.
C-C CABLE, 6"L RG-9 w/2 UG-573 "C", $2.50
N-BNC CABLE, 6"L w/right angle conn., $3.00
N-N CABLE, 36" RG-213 w/2 r-a "N" conn, $6.
TNC-BNC CABLE, 3"L; r-a BNC, strait TNC, $4.

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PL-259 UHF connector, NEW, $.69 ea; 10/$6.50
SO-239 chassis UHF conn, $.59 ea; 10/$5.50
M-359 elbow, PL-259 to SO-239, NEW, $.75 ea
UG-175/176 UHF reducers for RG-58/59 $.35 ea
UG-201 BNC (m) to N (f) adapter, NEW, $2.50
UG-260 BNC (m) for RG-59, NEW, $1.00 ea
UG-273 BNC (m) to UHF adapter, unused, $2.00
UG-536 N (m) for RG-58, NEW, $1.00 ea
UG-593 N (f) bulkhead chassis, cut-off, $2.
UG-920 r-a HN (m) to HN (f), unused, $3.00
#82-831 push-on chassis BNC (f), NEW, $.45 ea
#94375 TNC (m) cut-off, $1.50 ea
GREMAR #6098 TNC (f) to BNC (f), used, $3.00
GR-874-C cable conn for GR-cable, NEW, $6.
GR-874-PB, chassis GR-connector, NEW, $4.
GR-874-PB8, chassis GR for RG-8, NEW, $4.
GR-874-PB58, chassis GR for RG-58, NEW, $4.
GR-874-PB62, chassis GR for RG-62. NEW, $4.

EQUIPMENT HANDLES, brushed aluminum 5/8"W flat top. 2"H x5.3"L; 8-32 tapped. Amatom; #ALH-5-2, NEW $4/pair

1-5/8 COAX FITTINGS

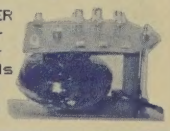
ANDREWS TYPE 83799, a special plated connector similar to 87R for HJ7-50A Heliax cable as used in medium power HF, AM, and FM installations. Has 1-5/8" EIA flange; for 50 ohm copper cable. Includes inner connector, "O" ring, silicone grease, and hardware; 6 lbs. NEW $20.

PHELPS-DODGE 3-1/8" to 1-5/8" EIA FLANGE ADAPTER, 50 ohm; 9" long overall, 7 lbs. #17-318-50, NEW $25.00

EXPERIMENTER'S!

SERVO-BRIDGE

SERVO AMPLIFIER & BRIDGE UNIT from Time/Temperature sign; looks like can be made into 400 Hz oscillator for selsyn projects by using components of the original bridge circuit, servo amp, and power supply. Selector for Ø BAL-110 BAL-RUN, adjust pots Ø BAL, 110 BAL, and transformers 115 VAC 60 Hz power with 20 VCT and 12 VCT 100 ma outputs, Triad TY61X 500 MW transistor driver, and Triad TY65Z modulation 32µ CT:3K-4K-5K ohms 10 W. 6.8x4.7x5, 7 lbs. #ASI-SA405-3, used w/diagram, $7.95



TELEVISION FLYBACK TRANSFORMER for older tube-type sets; experimenter's uses in bug zappers, etc. 5 volt input yields 300 V out @ approx 80 KHz. 2x 3.8x2.3, 2 lbs. #FLY-800402K, Unused, $1.95 ea; 3/$5.00

TI-742 PROGRAM TERMINAL

TEXAS INSTRUMENTS 742 PROGRAMMABLE DATA TERMINAL, ASCII terminal with 1200 baud modem card which allows data to be recorded onto digital-grade magnetic tape cassettes and later transmitted to another terminal or central computer. Keyboard has 68 printable and 33 control characters plus keypunch-type numeric cluster. Printer utilizes 5x7 dot matrix head and prints on 8x11 thermal paper. Dual cassette deck storage 288K characters/cassette min; 800 BPI, 86 character block phase-encoding. Off-line playback or record @ 30 char/sec; tape duplication @ 200 char/sec. On-line play/record @ 110, 150, 300, or 1200 baud. Units sold "as removed from service; complete but not operationally checked"; info included. Requires 115 VAC 60 Hz; 14.6x21.2x19.5, 70 lbs. Used, $79.50

PRINTER TERMINAL only from TI-742; modification required to make usable as stand-alone printer. 45 lbs sh. #PR-TI742, used, $50.00
DUAL CASSETTE DECK with control panel from TI-742; 32 lbs sh. #2CD-TI742, used, $35.00

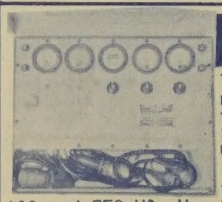
6 VDC CHARGER

TRIPLETT #12277 AC CHARGER for ni-cad batteries; 6 VDC 250 ma output from 105-125 VAC 50-400 Hz input. 84" cord; 2 lbs sh. NEW, $1.95 ea; 3/$5.00

TELE COSTER I

TELE COSTER I TELEPHONE METER, cost-effective device for the individual or business who wants to keep "tabs" on the length and costs of long-distance and, perhaps soon, local telephone calls. Initial and secondary rates/periods are programmable using the numeric plus 6-function keyboard. LED display shows cost/period plus elapsed time HR-MIN-SEC. Also display flashes 15 sec before rate change and has X60 speed-up so maximum acceptable charges can be determined before the call. Sturdy, handsome beige plastic case. Requires 115 VAC 60 Hz; 2 lbs sh. NEW, $8.00 ea; 2/$15.00

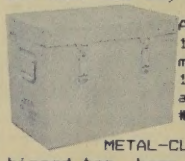
INVERTER TEST



TS-1409 INVERTER TESTER, portable unit designed to check small 100 and 250 VA 400 Hz inverters. Utilizes six non-inductive load resistors to form 3 Ø delta loads for 100 and 250 VA. Has 2.5" dia meters 0-35 VDC, 0-35 ADC, 0-150 VAC, 0-1.5 ADC, plus 380-420 Hz 9-reed frequency meter; also three test cables. 18x15x5, 28 lbs. Unused w/book, $65.

ENCLOSURE & CASES

SLANT-FRONT ENCLOSURE, hinged front swings out from bottom; 8.3"Hx14"Wx8"D tapers to 5"D at top. Panel has been drilled; some components remain. Black-crackle finish; 9 lbs sh. #SLF-ENC-85, used, $9.95

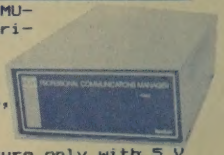


ALUMINUM TRANSIT CASE, o/a 12.3"Hx21"Wx16"D; inside removable spacers set for 8.8x 19x13 item. Hasp fastners and side handles; 30 lbs sh. #CY-712, used, $17.50

METAL-CLAD WOOD TRANSIT CASE with hinged top, hasp fastners, and side handles; o/a 10"Hx15.5"Wx12.5"D. Four riveted compartments inside. 18 lbs. #CS-URM-11, used, $12.

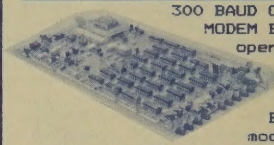
PLYWOOD CHEST, hinged top, hasp fastners, and side handles; o/a 11.8"Hx23"Wx12.8"D w/ 2.3"H lid. 26 lbs sh. #CS/I-193, used, $10.

BETACOM PROJECT BOX

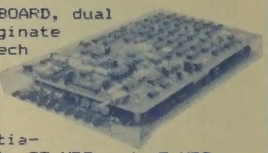


BETACOM PROFESSIONAL COMMUNICATIONS MANAGER BOX, originally when it had all of its circuit boards, unit controlled serial and/or parallel printers, CRT, and 300/1200 baud modems. We are offering the 4.8x10.8x15.8 enclosure only with 5 V 3 amp modular and a small +/-25 V power supply as a project box. Nice clean front panel. Circuit boards available separately; no info. 16 lbs sh. #PCM-BOX, unused, $24.95

MULTITECH MODEM BOARDS

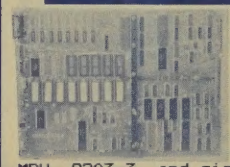


300 BAUD ORIGINATE/ANSWER MODEM BOARD designed to operate in asynchronous mode 0-300 bps; part of Multitech MT-103J, a quality Bell 103 compatible modem. Has RS-232C interface and LED indicators for Receive Data, Transmit Data, Carrier On, Clear to Send, Data Set Ready, On Hook, Data Terminal Ready, Ring Indicator, and Out of Service. Also toggle switches for Analog Loop/Out of Service, Digital Loop, Half/Full Duplex; DIP switch for DisAble Auto Answer, Receive/Send Space Disconnect, Forced DTR, Loss of Carrier Disconnect, ANLB When OOS; FCC registered. Requires +/-20 to 25 VDC and +5 VDC; onboard regulators for +/- 12 V. 11x5.5; 2 lbs sh. #MT103J, NEW with pinout, $24.95



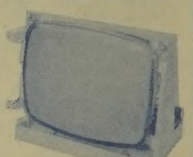
300/1200 BAUD MODEM BOARD, dual deck Auto Answer/Originate board used in Multitech MT212. Similiar features to MT103 plus higher speed 1200 baud data transmission; Bell 212 compatiable. Requires +/-20 to 25 VDC and +5 VDC. Put together a simple power supply and box for these and you'll have high quality modem for 25%-33% of the going prices. (See #PCM-BOX shown elsewhere.) 11x5.5x1.2; 3 lbs sh wt. #MT212A-6, NEW with pinout. $49.95

8088 PROCESSOR BOARD



BETACOM PROCESSOR BOARD, originally part of the Pro Communications box above; we do not know its designed capabilities, but it is "loaded" with popular components such as socketed 8088 MPU, 8203-3, and eight 27128-45 EPROMS. Also soldered 4/8251A, 2/8253-5, 2/8255A-5, 8259A, 8284A, 8/4164-20 DRAM's, and 35+ assorted 74-, 74LS-, and 14-series IC's. Sockets for additional five 27128; 2.4 V N-C battery. 14x10, 3 lbs sh. #8088-PCM, NEW, $45.00

GREEN MONITOR



12" diag-GREEN COMPOSITE MONITOR, high quality unit made for Commodore featured in our Summer '85 Supplement. We bought more at a lower price and are passing on the $5.00 savings. Has Amperex M31-334GR CRT and fiberglass PC board; sturdy steel frame allows easy attachment of your constructed enclosure. Requires 12 VDC 2 amps; manufactured in late 1984 by Elston Electronics. 10"Hx12.8"Wx11"D; 18 lbs #DM-30-WDSR, NEW w/schematic, ~~$39.95~~ $34.95

AE TONE KEY PAD

AUTOMATIC ELECTRIC TONE KEY PAD with brushed aluminum cover; originally part of pay telephone but can be used for tone control, signaling, etc. Each key produces two tone output; characters 0 thru 9, *, #. Requires 9-15 VDC. 4.4" square x 2"D. With hook-up info. #AE-WA-1127, NEW, $12.